

Cotypes, three specimens, No. 15527, U. S. Nat. Mus.; La Puerta Valley, California, July, 1911, and San Diego, California, June 26, 1911 (G. H. Field).

One cotype is in the collection of Mr. Field.

**Zophodia fieldiella**,<sup>✓</sup> new species.

Brownish gray, costa washed with white; lines nearly obsolete, inner near the base, but with a long tooth reaching to discal dot, the upper streak of the tooth fairly distinct; outer line near the margin, blackish, waved, followed by whitish but indistinct; apex radially lined with black on the veins; discal dot a small black and white speck. Hind wing cinereous tinged. Expanse, 19-23 mm.

Cotypes, eight specimens, No. 15528, U. S. Nat. Mus.; La Puerta Valley, California, July, 1911 (G. H. Field); Catalina Springs, Arizona, May 8, 1898 (E. A. Schwarz).

Three of the cotypes are in the collection of Mr. Field.

## A NEW BROMELICOLOUS MEGARHINUS

(*Diptera; Culicidae*)

By FREDERICK KNAB

**Megarhinus iris**, new species.

Female: Palpi over three-fourths the length of the proboscis; terminal segment minute, the penultimate upturned, subtruncate, with a number of stout, projecting terminal bristles; vestiture of metallic violet and mauve scales, golden beneath and above at base and constriction of longest joint. Occiput clothed with flat iridescent blue, green and purplish scales; cheeks silvery white scaled.

Prothoracic lobes bright metallic blue. Mesonotum clothed with small dark olivaceous brown scales with blue, green and purple reflections, a patch of brilliant blue scales over the roots of the wings; bristles over the roots of the wings black. Scutellum bright metallic blue scaled.

Abdomen dorsally metallic violet-blue, basally brighter and with greenish reflections, the apices of the segments with crimson luster; segments with large, lateral, basal, rounded yellowish-silvery spots, visible from above; small yellowish white lateral tufts at apical angles of sixth segment, large dull black lateral tufts involving apical half of seventh segment and all of the sides of the eighth segment; apical bristles of ninth segment pale; venter yellowish-silvery with median dark line.

Wings small, narrow, with typical venation.

Legs dark violet-blue scaled, the femora silvery yellowish-white scaled beneath nearly to apices; tibiæ and tarsi unmarked. Claws simple.

Trinidad, West Indies (F. W. Urich).

Type: Cat. No. 15603, U. S. Nat. Mus.

Described from a single female reared by Professor Urich from a larva found in water held by an epiphytic bromeliad. The body of the larva showed iridescent colors.

Evidently closely related to *Megarhinus violaceus* Wiedemann, described from the State of Bahia, Brazil, but does not agree with the description of that species in several details. In that species the lateral tufts of the sixth segment are said to be golden and there is no mention of the abdominal lateral silvery spots, so conspicuous in the specimen before me.

It must be pointed out that *Megarhinus mariæ* is in all probability a synonym of *M. violaceus* Wiedemann. The former is known only from the female, the latter only from the male. Both are from the same locality, Bahia, and agree in general coloration, as well as in the presence of bi-colored caudal tufts and the absence of tarsal markings. My information in the case of *violaceus* rests upon an examination of the type by Dr. L. O. Howard. The species called *Ankylorhynchus violaceus* by Lutz, Theobald and Peryassú is not identical with Wiedemann's species, nor is the *Megarhinus purpureus* of Theobald which has been placed as a synonym of it. This last, however, agrees with the *violaceus* of Lutz, and that species will therefore have to be known as *Ankylorhynchus purpureus*. The synonymy therefore stands as follows:

### ***Megarhinus violaceus* (Wiedemann).**

*Culex violaceus* Wiedemann, Aussereurop. zweifluegl. Ins., i, 3, 1828.

*Megarhina* (?) *violacea* Giles, Handb. Gnats or Mosq., 132, 1900.

*Megarhina* (?) *violacea* Giles, Handb. Gnats or Mosq., 2 edit., 278, 1902.

*Megarhinus mariæ* Bourroul, Mosq. do Brasil, 3, 1904.

*Megarhinus mariæ* Theobald, Mon. Culic., iv, 129, 1907.

### ***Ankylorhynchus purpureus* (Theobald).**

*Megarhinus purpureus* Theobald, Mon. Culic., i, 230, 1901.

*Megarhinus violaceus* Theobald (not Wiedemann), Mon. Culic., iii, 117, 1903.

*Ankylorhynchus violaceus* Lutz (not Wiedemann) in Bourroul, Mosq. do Brasil, 65, 1904.

*Ankylorhynchus violaceus* Theobald (not Wiedemann), Mon. Culic., iv, 127, 1907.

*Ankylorhynchus violaceus* Peryassú (not Wiedemann), Culic. do Brasil, 149, 1908.

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